Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



A292.9 So 3Wa

WATER SUPPLY OUTLOOK FOR UTAH

Par 18 371



U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

MAR. 1, 1974

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Snow Surveyors near Ship Creek, Alaska snow course.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 841 38
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601
	anim.

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and tor British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

A-SCS-PORTLAND, OREG. 1974 M7-L-22C

WATER SUPPLY OUTLOOK FOR UTAH

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

A. W. HAMELSTROM

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE SALT LAKE CITY, UTAH

In Cooperation with

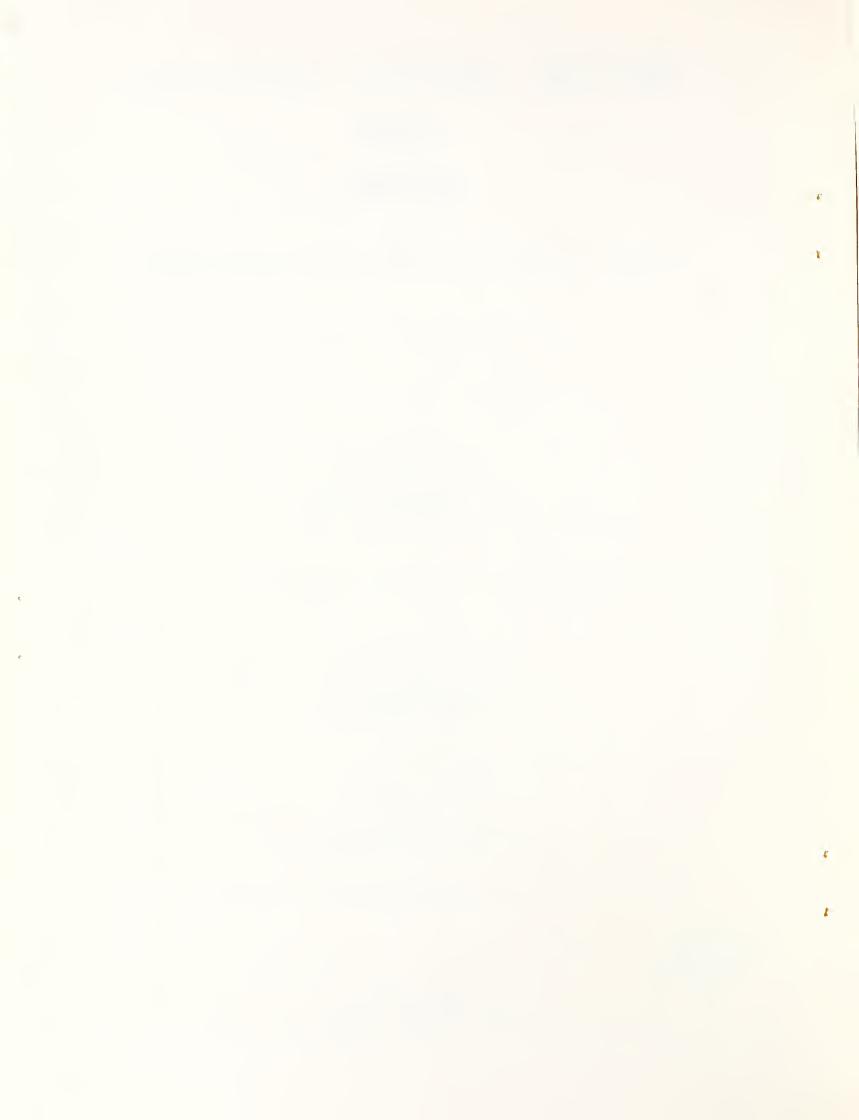
DEE C. HANSEN

STATE ENGINEER DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

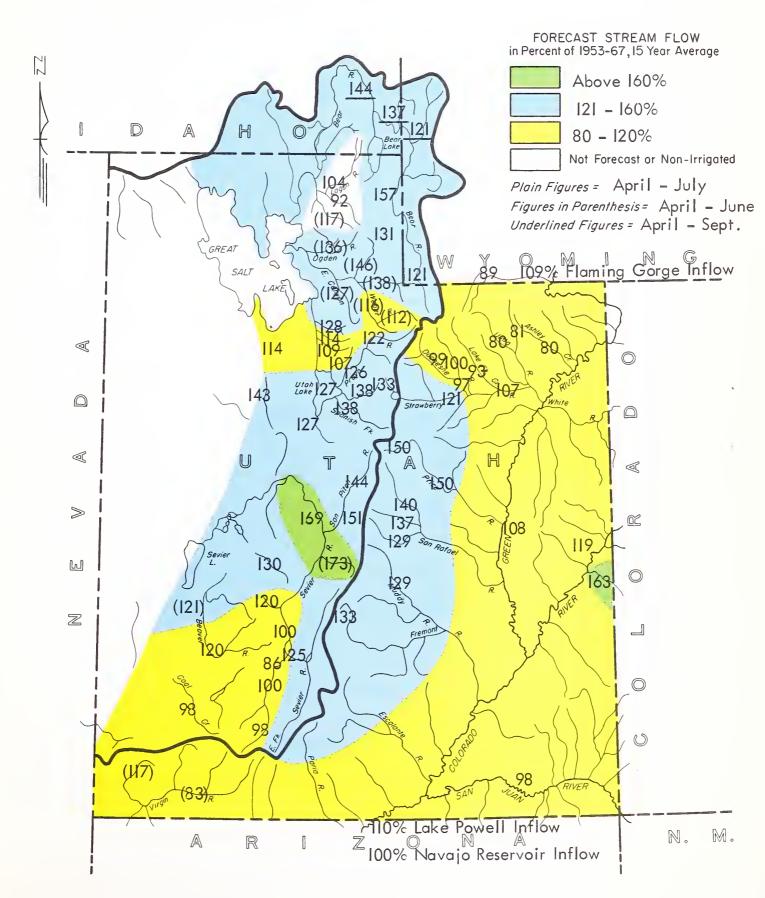
SOIL CONSERVATION SERVICE SNOW SURVEY SECTION FEDERAL BLDG., ROOM 4012 SALT LAKE CITY, UTAH 84138



PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS







as of MARCH 1, 1974

SNOW COVER

Snow cover now ranges from a low of 62% of the March 1 average on Uintah-Whiterocks and Ashley-Brush Creek drainages to as high as 150% on the Lower Sevier-San Pitch Rivers. Most snow courses showed well below the average increase during February and some had no increase.

PRECIPITATION

Precipitation at mountain stations ranged from zero in the Uintah Basin at Lakefork Mountain to 134% of average at Monte Cristo Ranger Station between the Bear and Ogden Rivers. Most stations measured well below the February average precipitation.

SOIL MOISTURE

Soil moisture is generally near average but dry at lower elevations in Eastern and Southern Utah.

RESERVOIR STORAGE

Reservoir storage in 135% of the 15 year average (1958-72) for March 1 and most reservoirs are expected to fill this year. Water is being released from some reservoirs to make room for spring runoff.

STREAMFLOW FORECASTS

Streamflow forecasts generally have been reduced due to the below average February increase to the snow pack and now range from 80 to 173% of average. Forecasts are lowest in the Uintah Basin, Upper Sevier, Virgin River drainages and well above average on Salina Creek, Lower Sevier, and San Pitch Rivers. Price River (150%), Huntington Creek (140%), Bear River at Harer, Idaho (144%), Lost Creek (146%), Ogden River (140%), and Mill Creek near Moab are other streams expected to be well above average this spring. The only areas that now appear to have high peak flow potential during the snow melt season this spring are Salina Creek, Moab Creek, San Pitch tributaries and possibly Price River, Ogden River, Lost Creek, and Chalk Creek near Coalville.

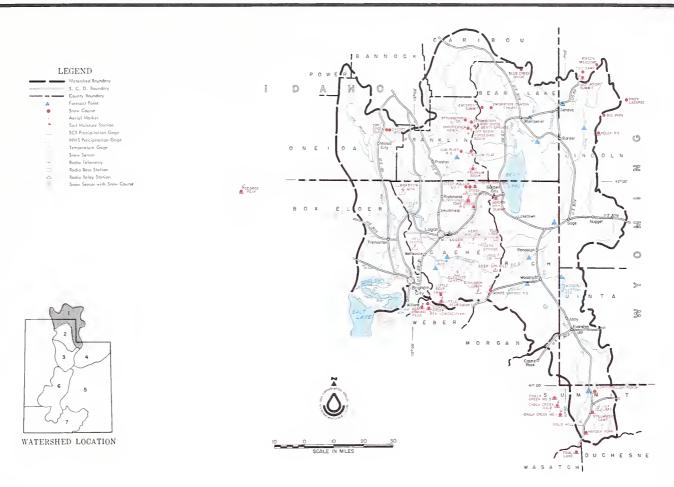


IEB. 1871 M7-0-22027-4-L

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1974

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER on the Upper Bear is 101% of average and 144% of last year. Lower Bear snow cover is 128% of average and 143% of last March 1. Logan River is 114% of average and 166% of last year.

PRECIPITATION at mountain stations during February varied from 58% of average at Tony Grove Ranger Station to 134% at Monte Cristo Ranger Station.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is 114% of average and totals about the same as last March 1.

STREAMFLOW FORECASTS range from 92% of average on Blacksmith Fork to 167% on Big Creek near Randolph for the April-July period. Peak flows are expected to range from near average except on Big Creek which could run near double the average.

STREAMFLOW FORECASTS		THIS YEA	R	PAST	RECORO	SUMMARY OF SHOW MEASUREMENTS			
BASIN, STREAM and/or FORECAST POINT	FORE Thousand	CAST Person of	FORECAST	THOUSAND	1	RIVER BASIN and or SUB-WATERSHEO	Number of Courses Averaged	THIS YEAR AS	A PERCENT OF
BASIN, STACKS BID OF PORCEAST FOINT	Acre Feer	Percent of Average	PERIOO	Last Year	Average †		Averaged	Lasi Year	Average
BEAR RIVER						UPPER BEAR RIVER	6	144	101
Bear at Harer, Idahol	390	1	Apr-Sept		271	LOWER BEAR RIVER	17	143	128
Bear nr Randolph Bear nr Ut-Wyo. State Line	160 136	157 121	Apr-July Apr-July	133 104	102 112	LOGAN RIVER	5	166	114
Bear nr Woodruff	170	131	Apr-July	149	130	DOUGHT THE VIEW		100	114
Big Crk nr Randolph, Utah	7.0	167	Apr-July		4.2b				
Blacksmith Fork nr Hyrum	44	92	Apr-July		48				
Little Bear nr Paradise	40 118	117	Apr-June	44 90	34 113				
Logan nr Logan ¹ Smith's Fork nr Border, Wyo.	140	1	Apr-July Apr-Sept	88	116				
Thomas Fork nr Ut-Wyo Border	44		Apr-Sept	30	32				
Woodruff Crk nr Woodruff, Ut.	21	136	Apr-July		15.4				
			1						
		ļ							
1 - Observed flow corrected f					sions				
b - Average of all past reco	rd - le	ss than	15 year	3					
DECEDUALD CIADACE (Thousand Acre Feet) was well						DEAK FLOWE			

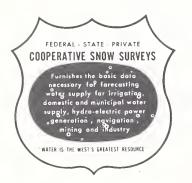
PEAK FLOWS

COUNTY OF STORAGE (iousula noio 100t) institution					LEWY LLOM?		
		Usable		Usable Storage			PEAK FLOW (SEC	ONO FEET)
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average†	FORECAST POINT	Forecast Range	Average †
DE AD DEVEN	Dear Tales	1421.0	1089.6	1089.6	958.3	Die Crook or Dondolch	56.06	/ 11
BEAR RIVER	Bear Lake					Big Creek nr Randolph	56-96	41b
	Woodruff Narrows	26.5	26.5	25.3	21.6	Logan River near Logan	1050-1150	984
						Woodruff Creek near Woodruff	225~400	240
LITTLE BEAR	Hyrum	15.3	10.5	10.6	10.7	Little Bear near Paradise	450-550	473
	Porcupine	11.3	5.5	3.5	3.6			
					'			
		ļ						

+ - 1958-72 15 year average period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bidg. – Room 4012 Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

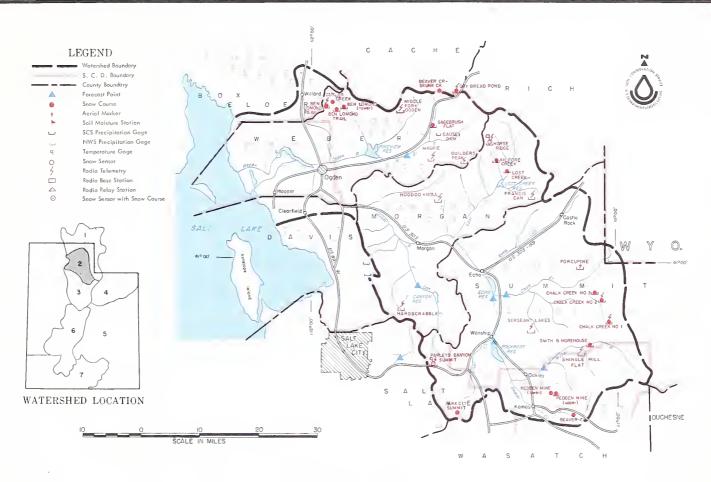


POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1974

THE WATER SUPPLY OUTLOOK IS VERY GOOD

SNOW COVER is 131% of average and about the same as last year on the Ogden River. The Weber River is 115% of average and 114% of last year. Low elevation snow is heavy in Ogden Basin.

PRECIPITATION at mountain stations during February ranged from near average to $1\frac{1}{2}$ times average on the Ogden and from one-half average to near average on the Weber.

SOIL MOISTURE is near average.

RESERVOIR STORAGE totals 133% of March 1 average and 7% higher than last year at this time. All reservoirs should fill again this year.

STREAMFLOW FORECASTS range from 112% of the April-June average for the Weber at Oakley to 146% for the Lost Creek near Croydon. Peak flows are expected to range from near average to as high as twice average.

WEBER-OGDEN WATERSHEDS in UTAH

TREAMFLOW FORECASTS		THIS YEA	IR .		RECORD	SUMMARY OF SHOW MEASUREMENTS			
		CAST	FORECAST	THOUSAND A		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Yaar	Average +		Averaged	Last Year	Average
VEBER-OGDEN RIVERS						OGDEN RIVER	6	101	131
Chalk Crk at Coalville East Canyon Crk nr Morgan ¹ Hardscrabble Crk nr Portervlle Lost Crk nr Croydon, Utah Pineview Reservoir Inflow ² South Fork Ogden nr Huntsvlle Rockport Reservoir Inflow ¹ Weber nr Coalville ¹ Weber nr Oakley 1 - Observed flow corrected for 2 - Inflow record as computed	20 150 70 128 129 112	127 139 146 136 140 116 116 112	_	34 		WEBER RIVER	10	114	115

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

ZEKANIK ZINKURF (INDUSANT ACTE LEGT) MID-MDN.	TH READING				PEAK FLOWS		
		Usable		Usable Storage			PEAK FLOW (SECO	ND FEET)
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Averaget	FORECAST POINT	Forecast Range	Average †
OGDEN	Causey	6.9	1.5	2.4	2.2	Lost Creek near Croydon	275-400	206Ъ
	Pineview	110.1	37.8	33.7	40.6	South Fork Ogden nr Huntsville	680-1080	697
WEBER	East Canyon	48.1	40.1	40.0	19.5			
	Echo	73.9	53.4	57.2	43.5	Chalk Creek near Coalville	450-850	373
	Lost Creek	20.0	14.2	15.2	12.6			
	Rockport	60.9	50.5	21.5	27.6			
	Willard Bay	193.3	158.1	161.8	121.5			

+ - 1958-72 15 year average period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bidg. – Raom 4012 Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

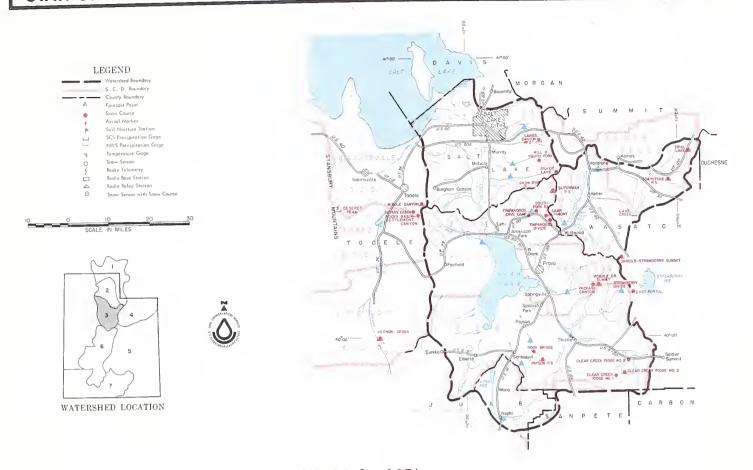


POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1974

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 119% of average and 97% of last year on Utah Lake drainages to 153% of average and 91% of last year at Middle Canyon above Tooele.

PRECIPITATION at mountain locations ranged from 41 to 83% of average for February.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 107% of the April-July average on the American Fork River to 143% of average on Vernon Creek. Peak flows are expected to range from near average to twice average during snow melt runoff this spring.

STREAMFLOW FORECASTS		THIS YEA	iR .	Į.	RECORO	SUMMARY of SNOW MEASUREMENTS			
		CAST	FORECAST	THOUSANO		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feel	Percent of Average	PERIOO	Last Year	Average +		Averaged	Last Year	Average
PROVO RIVER & UTAH LAKE						PROVO RIVER & UTAH LAKE	14	97	119
American Fork nr American Frk	31	107	Apr-July		29				
Hobble Creek nr Springville	22	138	Apr-July		16	JORDAN RIVER	3	123	126
Provo nr Hailstonel	124	122	Apr-July		102				
Provo below Deer Creek Dam ¹	140	126	Apr-July		111	TOOELE VALLEY	1	91	153
Spanish Fork at Thistle	44	138	Apr-July		32				
Strawberry Reservoir Inflow ¹	60	133	Apr-July		45				
Utah Lake Inflow	265	127	Apr-July	370	208 b				
Payson Creek nr Payson	8.0	127	Apr-July		6.3				
JORDAN RIVER & SALT LAKE				-					
Big Cottonwood nr SLC	41	114	Apr-July		36				
Farmington Crk nr Farmington	9.1	117	Apr-July		7.8 ^b				
Little Cottonwood Crk nr SLC	38	109	Apr-July		35				
Parley's Creek nr SLC	15.0	128	Apr-July		11.7				
TOOELE VALLEY		ĺ							
Settlement Creek nr Tooele	2.5	114	Apr-July		2.2				
Vernon Creek nr Vernon	1.0	{	Apr-July		0.7				
					-				
1 - Observed flow corrected fo	r chang	e in s	torage an	d diver	sions				
b - Average of all past record			15 years						
RESERVOIR STORAGE (Thousand Acre Feet) MID-MOI	NTH READING					PFAK FLOWS			

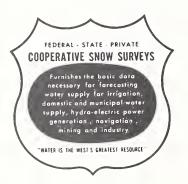
		Usable	Usable Storage				
Basin of Stream	RESERVOIR	Capacity	This Year	Last Year	Average ¹		
SPANISH FORK	Strawberry	270.0	213.2	182.0	116.4		
JTAH LAKE	Utah Lake	883.9	880.1	786.5	604.0		
PROVO	Deer Creek	149.7	116.7	106.0	95.3		
SETTLEMENT CRK	Settlement Creek	1.2	1.0	0.8			

FARESACT POWER	PEAK FLOW (SECO	NO FEET)
FORECAST POINT	Forecast Range	Average
Hobble Creek near Springville	250-450	210
Spanish Fork near Thistle	450-650	365

+ - 1958-72 15 year average period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. – Room 4012 Solt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

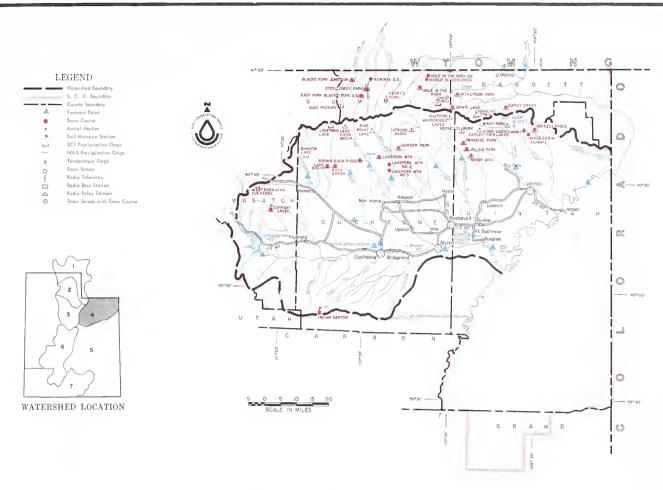


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE AGR-101



UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1974

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 62% of average on the Uintah-Whiterocks and Ashley-Brush Creeks to 117% on Strawberry River.

PRECIPITATION at mountain locations during February was well below average and ranged from 0 to 41% of average.

SOIL MOISTURE is below average in Uintah Basin and near average on the Upper Strawberry and Duchesne Rivers.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS now range from 80% of the April-July average on the Uintah River and Ashley Creeks to 121% on the Strawberry at Duchesne. Peak Flows are expected to range from below average to near average this snow melt season.

FORE								
		FORECAST	THOUSAND		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
Thousand Acre Feet	Percent of Average	PERIOD	Lost Year	Average +		Averaged	Last Year	Average
T	T							
103	99	Apr-July		104	DUCHESNE RIVER	9	88	91
179	97	Apr-July		185		1		
220	107	Apr-July		205	STRAWBERRY RIVER	3	109	117
250	114	Apr-July		220				
64	93	Apr-July		1 1	LAKEFORK-YELLOWSTONE CREEKS	3	86	78
94	100	Apr-July		94				
68	121	Apr-July		56	UINTA - WHITEROCKS RIVERS	2	59	62
70	80	Apr-July		1 1				
47	1	1 .			ASHLEY - BRUSH CREEKS	2	48	62
54	83	Apr-July		65				
· I				- 0				
	1	1				ì		
	1							
1285	109	Apr-July		11/4				
or chang	re in s	torage an	nd diver	sions				
				7.00				
	103 179 220 250 64 94 68 70 47 54 40 1285	103 99 179 97 220 107 250 114 64 93 94 100 68 121 70 80 47 81 54 83 40 80 40 89 1285 109	Thousand Period of Period Period	Thousand Preside Pre	Thousand Parison Period LaitYear Average	103 99 Apr-July 104 179 97 Apr-July 185 220 107 Apr-July 205 250 114 Apr-July 69 94 100 Apr-July 94 68 121 Apr-July 80 Apr-July 88 47 81 Apr-July 65 40 80 Apr-July 65 40 89 Apr-Sept 45 1285 109 Apr-July 1174 Apr-July 1174 For change in storage and diversions	103 99 Apr-July 104 Apr-July 105 200 114 Apr-July 205 200 207 Apr-July 69 208 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209 209	Thousand Accessed Period Average Period Average Averag

		Usable		Usable Storage				
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average†			
ASHLEY CREEK	Steinaker	33.3	26.9	27.3	20.8			
GREEN RIVER	Flaming Gorge	3749.0	2968.0	2875.0	1588.			
LAKE FORK	Moon Lake	35.8	24.3	17.9	17.			
STRAWBERRY	Starvation	165.3	125.2	129.3				
UINTAH	Bottle Hollow	11.3	10.8a	10.5				

PEAK FLOWS

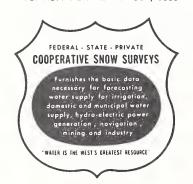
CONCEAST DOWN	PEAK FLOW (SECONO FEET)					
FORECAST POINT	Forecast Range	Average 1				
Ashley Creek near Vernal	650-1000	906				
Strawberry at Duchesne	535-980	628				

+ - 1958-72 15 year average period

a - Partly Estimated

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

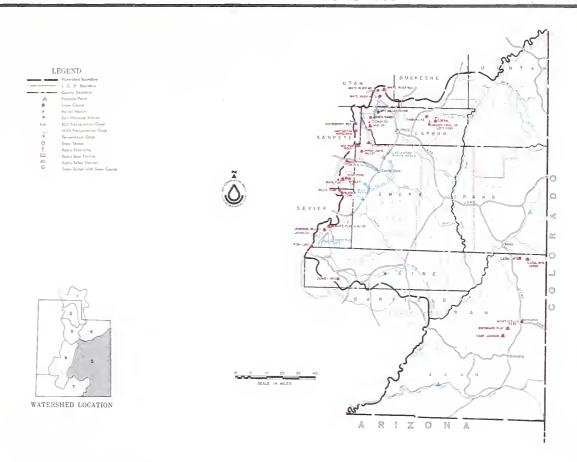


POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MARCH 1, 1974

THE WATER SUPPLY OUTLOOK IS VERY GOOD

SNOW COVER ranges from 109% of average and 68% of last year on Blue Mountains-San Juan River to 156% of average and 107% of last March 1 on the LaSals above Moab.

PRECIPITATION at mountain stations during February was well below average and ranged from 16 to 61% of the 15 year (1958-72) average for February.

SOIL MOISTURE is near to above average at mountain locations but beginning to dry out in the valleys.

RESERVOIR STORAGE is about 131% of average and about 34% above last March $\boldsymbol{1}$.

STREAMFLOW FORECASTS range from 98% of the April-July average on the San Juan at Bluff to 163% of average for Mill Creek near Moab. Peak flows are expected to range from near average to $1\frac{1}{2}$ times average.

STREAMFLOW FORECASTS		THIS YEA	R	PAST	RECORO	SUMMARY of SNOW MEASUREMENTS			
	FORE		FORECAST	THOUSAND	ACRE FEET	RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +	RIVER DASIN SID DI SOUMALERSHED	Averaged	Last Year	Average
PRICE RIVER						PRICE RIVER	6	114	131
Gooseberry Crk nr Scofield	14.9	149	Apr-July		10.0				
Price nr Heiner ¹	96	150	Apr-July		64b	SAN RAFAEL	6	109	120
Scofield Reservoir Inflow	51	150	Apr-July	46	34				
SAN RAFAEL RIVER						MILL CREEK	2	107	156
Cottonwood Crk nr Orangeville	63	137	Apr-July	60	46b				
Ferron Crk nr Ferron	45	129	Apr-July		35	SAN JUAN RIVER	2	68	109
Huntington Crk nr Huntington	63	140	Apr-July		45				
MUDDY RIVER		1							
Muddy Creek nr Emery	22	129	Apr-July		17.0				
UPPER COLORADO BASIN									
Colorado nr Cisco, Utah	3367	119	Apr-July		2835				
Green at Green River, Utah	3058	108	Apr-July		2839				
Navajo Reservoir Inflow	600	100	Apr-July		597				
San Juan nr Bluff, Utah	838	98	Apr-July		853				
Mill Creek nr Moab	8.0	163	Apr-July		4.9				
FREMONT RIVER									
Seven Mile Crk nr Fish Lake	8.5	133	Apr-July		6.4b				
1 - Observed flow corrected for	or chan	e in	storage a	nd diver	sions				

		Usable		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	City This Year Lass		Average1
PRICE RIVER	Scofield	65.8	44.0	23.2	30.
SAN RAFAEL	Huntington North Joe's Valley Mill Site	3.9 54.6 16.7	2.8 38.7 5.4	3.2 36.1 4.1	2.3 31.6
SAN JUAN	Navajo	1696.0	987.0	888.2	

PEAK FLOWS

50050447.00447	PEAK FLOW (SECONO FEET)						
FORECAST POINT	Forecast Range	Average					
Ferron Creek near Ferron	350-630	419					
Muddy Creek near Emery	150-250	157					

+ - 1958-72 15 year average period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bidg. - Raom 4012 Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



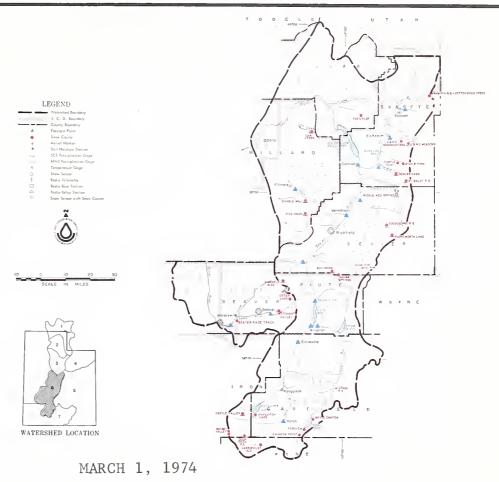
POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



TIRST OLIGA MANUEL STATE

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK IS WEAR AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 95% of average and 65% of last year on the South Fork of the Sevier to 166% of average and 88% of last year on Chalk Creek.

PRECIPITATION at mountain stations during February ranged from 6% of average at the head of the South Fork Sevier to 104% on Salina Creek.

SOIL MOISTURE is near average but beginning to dry out at lower elevations.

RESERVOIR STORAGE is well above average. Sevier Basin Reservoirs are now 187% of average, 162% of last March 1, and 91% of usable capacity. All are expected to fill this year. Minersville Reservoir is well above average.

STREAMFLOW FORECASTS range from 86% of the April-July average for the Sevier at Kingston to 173% of average for Salina Creek. Winter flow (Oct.-March) into Sevier Bridge Reservoir is expected to total 115 to 125,000 acre-feet, and a total of about 5,000 acreft is expected above the 360 cfs flow below Vermillion Dam. Snow melt peak flows are expected to be near average except on Salina Creek and the San Pitch where they are expected to be as high as $1\frac{1}{2}$ times average.

STREAMFLOW FORECASTS		THIS YEA	.R	PAST	RECORO	SUMMARY of SNOW MEASUREMENTS			
BASIN, STREAM and/or FORECAST POINT	FORE		FDRECAST	THOUSANO /		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	
BASIN, STREAM AND OF PURECAST PUINT	Acre Feer	Percent of Average	PERIOO	Last Year	Average †		Averaged	Last Year	Average
SEVIER RIVER						UPPER SEVIER	12	69	102
Chalk Creek nr Fillmore	20	130	Apr-July		15.56				
Clear Crk nr Sevier (abv Div)	18.0	120	Apr-July		15.0	EAST FORK SEVIER	6	74	113
East Fork Sevier nr Kingston 1	18.0	125	Apr-July	56	14.4				
Antimony Crk nr Antimony	8.4	115	Apr-July		7.3	SOUTH FORK SEVIER	6	65	95
Inflow									
Kingston to Vermillion Dam	48		Apr-June		50	LOWER SEVIER	1.0	110	150
Vermillion Dam to Gunnison	63	162	Mar-June		39				
Salina Crk at Salina	14.0		Apr-June		8.1b	CHALK CREEK	2	89	166
Sevier nr Circleville	28	100	Apr-July		28				
Sevier nr Gunnison	66	169	Apr-July	154	39	BEAVER RIVER	3	91	128
Sevier at Hatch	40	98	Apr-July	78	41				
Sevier nr Kingston	18.0	86	Apr-July		21				
Sevier below Piute Dam ¹	33	100	Apr-July		33				
SAN PITCH RIVER									
Ephraim Crk nr Ephraim	21	151	Apr-July		13.9b				
Pleasant Crk nr Mt. Pleasant	11.2	144	Apr-July		7.8				
BEAVER RIVER							i		
Beaver nr Beaver	24	1	Apr-July		20				
Minersville Reservoir Inflow	7.0	121	Apr-June		5.8				

	1	Usable		Usable Storage	
Basin of Stream	RESERVOIR	Capacity	This Year	10.1 28.2 46.5 128.8	Average
SEVIER RIVER	Gunnison	18.2	18.2	10.1	12.
20, 201. 1(2)	Otter Creek	52.5	49.0	28.2	29.
	Piute	71.8	53.6	46.5	43.
	Sevier Bridge	236.0	224.4	128.8	100.
BEAVER RIVER	Minersville (Rky	23.3	21.1	10.5	13.

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Crk nr Sevier-above Div.	5	July 30	July 28
Salina Crk at Salina	25	June 14	June 10
Sevier at Circleville	90	June 10	June 24
Sevier at Hatch (upper)	100	June 25	Ju1y 10

1 - Observed flow corrected for change in storage and diversions

b - Average of all past record - less than 15 years

PEAK FLOWS

Conscient name	PEAK FLOW (SECOND FEET)						
FDRECAST POINT	Forecast Range	Average					
Beaver near Beaver	130-350	212					
Clear Creek near Sevier	190-230	170					
Salina Creek near Salina	280-330	235					
Sevier River at Hatch	190-430	418					
Sevier River at Circleville	200-375	304					
Sevier River at Kingston	150-300	263					

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period	Forecast Period
SEVIER RIVER Below Vermillion Dam Circle Valley Panguitch Valley Sevier Valley	65	55	April-Sept.
	75	65	April-Sept.
	80	82	April-Sept.
	50	38	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31 is expected to be about 115-125,000 acre-feet.

Below Vermillion - Flow above 360 second feet should total about 5000 acre-feet.

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. – Room 4012 Salt Lake City, Utoh 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

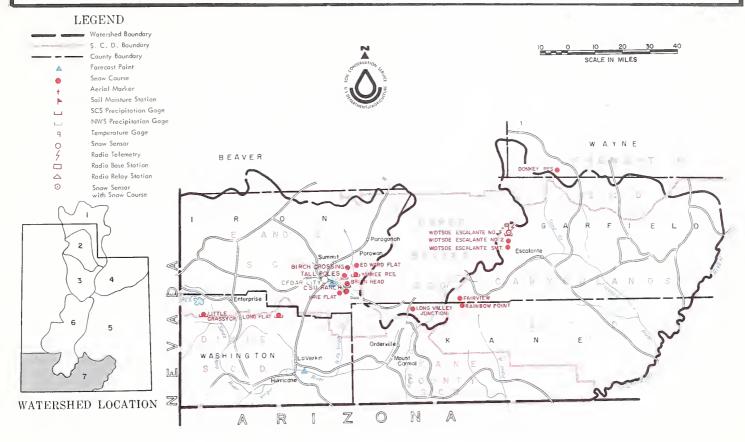


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE



EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WATER RIGHTS



MARCH 1, 1974

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 94% of average and 64% of last year on Coal Creek to 142% of average and 87% of last year on Parawan Creek.

PRECIPITATION at mountain stations ranged from only 6 to 60% of the February average.

SOIL MOISTURE is near average at mountain locations but drying out at lower elevations.

RESERVOIR STORAGE is 17,597,000 acre-feet in Lake Powell. Last March 1, it held 12,217,000 acre-feet.

STREAMFLOW FORECASTS range from 83% of the April-June average on the Virgin near Virgin to 117% on Santa Clara near Pine Valley. Peak flows are expected to be near average.

STREAMFLOW FORECASTS		THIS YEA	R	PAST	RECORO	SUMMARY OF SHOW MEASUREMENTS			
	FORE		FORECAST	THOUSAND		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acra Feet	Parcent of Average	PERIOO	Last Year	Average †		Averaged	Last Year	Average
VIRGIN RIVER						COAL CREEK	2	58	114
Virgin nr Virgin Santa Clara nr Pine Valley	40 4.2		Apr-June Apr-June		48b 3,6b	VIRGIN RIVER	2	64	94
COAL CREEK						PAROWAN CREEK	2	87	142
Coal Crk nr Cedar City	15.8	98	Apr-July	95	16.1				
UPPER COLORADO									
Lake Powell Inflow	7572	110	Apr-July		6881				
b - Average of all past record	i - less	than	15 years						

PEAK FLOWS

POINT PEAK FLOW (SEC	ONO FEET) Average +
Forecast Range	A. A. avara +
	7.01.010
150~350 450-750	245 631b

+ - 1958-72 15 year average period

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. – Room 4012 Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE AGR-101

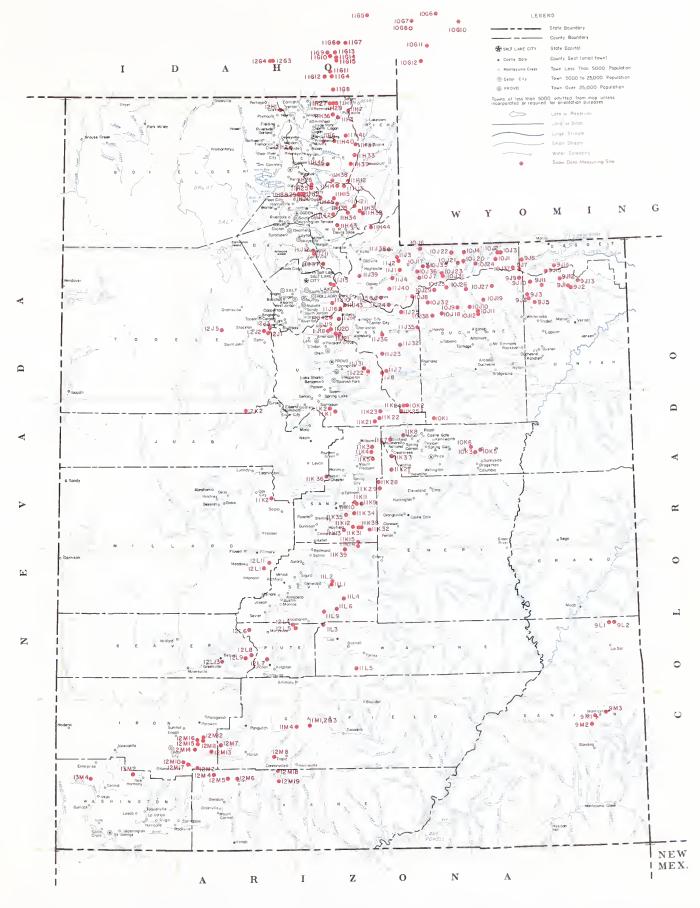


NOW		THIS YEAR		PAST F	ECORO	PRECIPI		(Inches)			
ORAINAGE BASIN and/or SNOW COURSE NAME	Oate of Survey	Snow Oepth (Inches)	Water Content (Inches)	Water Cont	Average †	Oate of Reading	RRENT INFORM. Month's Precipitation	AVERAGE +	FROM A This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Big Park	2/28	56	18.9	11.9	18.2						
CCC Camp Gold Hill*	2/26	38	11.2	8.3	11.1	2/26	3.11		20.92		
Kelly Ranger Station*	2/28	53	17.3	11.7	16.2a	2/26	2.35				
LaBarge Guard Station Lily Lake*	2/24	84	29.6	19.2		2/26	1.91				
Monte Cristo Ranger Station	3/3	78	26.4	19.5	21.9	3/3	6.26	4.62Ъ	27.48	22.89Ь	120
Piney-LaBarge #2 Poison Meadows	2/24 2/24	61 83	20.2	14.8	20.9a 26.2						
Salt River Summit	2/26	48	15.1	10.3	14.6	2/26	2.30	3.36	14.40	14.17	101
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake*						2/26	4.09				
Christensen Ranch	2/26	42	12.4	8.4	7.7	,					
Cinnamon Creek* Clarkston Mountain*						3/4 2/26	Data N 3.85	ot Avai	lable 17.56		
Cub River Ranger Station	2/28	45	14.3	7.3	8.0		3.05		17.50		
Curtis Creek* Dry Basin	2/28	86	30.8			3/4 2/26	Data N 4.41	ot Avai	lab1e 28.86		
Dry Creek Flat	2/27	33	10.9	11.4	6.6	2,20	7.41		20.00		
Deer Springs Emigrant Summit	2/26	77	26.8	17.8	21.4a	3/4	Data N	ot Avai	lable		
Emigration Canyon	2/26	36	10.4	8.6	9.7a						
Franklin Basin*	2/28	76	27.4			3/4		ot Avai			
Garden City Summit George Peak*	2/28	56	18.6	10.8	15.6	2/28 2/26	3.27	4.00ъ	17.15 15.76	16.68	103
Hardware Ranch*						2/26	1.45				
Hells Canyon*						2/26	4.32		26.31		
Herd Hollow* Horseshoe Basin	2/28	71	25.0			2/26	3.13		16.95		
Hyrum Dam	2,20	1	23.0			2/26	2.10				
Klondike Narrows*	2/28	58	19.8	12.6	18.0	2/26	5.48	5.25ъ		19.031	
Liberty Spring Little Bear (lower)	2/28 3/1	110 44	42.0 13.6	25.6 13.0	8.7						
Little Bear (upper)*	3/1	47	15.2	13.9	10.5	2/26	3.82				
Oxford Mountain	2/27	34	10.0	9.6	8.9						
Slug Creek Divide Steep Hollow #1	2/28 2/28	42 97	13.8	13.4 21.4	31.6b						
Steep Hollow #2	2/28	76	26.8	15.9	23.7ъ						
Strawberry Creek	2/26	44	14.1	10.9	9.6						
Strawberry Mink Divide Tony Grove Lake*	2/26	71	24.4	18.0	18.5	2/26	5.95				
Tony Grove Ranger Station*	2/28	41	13.2	7.5	10.4	2/26	1.47	2.52a	15.52	15.61a	99
Trigara Springs Willow Flat	2/28	60	19.7	11.6	13.2	2/26	3.60				
	2/20	00	19.7	11.0	13.2						
OGDEN RIVER	0.400										
Beaver Crk-Skunk Crk Ben Lomond (lower)	2/23 2/24	44 63	13.3 19.2	12.2 18.9	10.7 13.0	2/24	4.39	4.44Ъ	16.74	21.25	79
Ben Lomond Peak*				10.7	13.0	2/28		ot Avai		21.25	13
Ben Lomond Trail Causy Dam	2/24	67	20.9	21.9	14.6b	0/00	0.50	0.06	1/ 00	10.00	105
Cutler Creek	2/24	83	28.0	31.1	23.4ь	2/23	2.58	2.96a	14.99	12.03a	125
Dry Bread Pond	3/3	57	17.8	15.3	15.3	3/3	4.79	3.91ъ	17.45	17.21b	101
Guilders Peak*						2/26	2.92				
Magpie* Middle Fork Ogden*						2/26 2/26	6.02 4.16				
Sagebrush Flat	2/23	34	7.8	6.2	4.4	2/23	2.75	2.71	13.16	12.04	109
WEBER RIVER											
Beaver Creek Ranger Station	2/26	32	9.1	7.9	7.7						
Chalk Creek #1	2/22	71	21.1	17.8	18.3						
Chalk Creek #2 Chalk Creek #3	2/22	49 33	13.7 8.4	11.7 7.0	11.7	2/22	1.85	1.96a	12.69	9.53a	133
Farmington Canyon (upper)	2/28	79	27.6	26.8a	24.1		1.05	1.70a		9.558	133
Farmington Canyon (lower)	2/28	64	21.4	19.3a	18.2	2/28			24.64		

HOW		THIS YEAR		PAST R		PRECIPI	TATION	(Inches)		PROX. OCT I	TO 5
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Cont	Average T	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
WEBER RIVER (continued)										-	
орожува с становреждения постоя на станов и производительной постоя и постоя и постоя и постоя и постоя и пост Постоя и постоя и						2/28			25 / 1		
Farmington Guard Station Francis Canyon*						2/28	1.95		25.41		
Hardscrabble*						2/26	4.54		24.68	~ -	
HooDoo Knoll* Horse Ridge	2/26	73	25.2	15.4		3/4	Data N	ot Avai:	lable		
Lost Creek Reservoir	2/26	35	9.9			2/26			9.96		
Park City Summit Parley's Canyon Summit	2/27 2/27	83 60	31.3	23.1 14.9	15.5	2/27	3.37	4.08	21.13	18.16	116
Porcupine*	2/2/		19.0	14.9	15.5	2/26	2.47	4.00	21.13	10,10	710
Redden Mine (lower)	2/25	50 55	15.5 17.8	14.6 16.4	15.0 16.8	2/25	~ ~		20.20	16.06	1.05
Redden Mine (upper) Sargeant Lakes*	2/25)))	17.0	10.4	10.0	3/4		ot Avail	20.28 lable	16.26a	125
Shingle Mill Flat*	0.405		10.7		100	2/26	3.55				
Smith & Morehouse	2/25	42	12.7	10.1	10.9	2/25	2.58	3.32	16.63	14.94	111
PROVO RIVER & UTAH LAKE											
Camp Altamont	2/27	37	11.5	16.6	12.5		Į.				
Clear Creek Ridge #1 Clear Creek Ridge #2	2/25 2/25	56 49	18.9 15.4	17.6	14.9 11.1						
Clear Creek Ridge #3	2/25	34	9.6	9.1	6.9						
Dutchman Ranger Station Hobble Creek Summit	2/27 2/26	48 44	17.2 15.9	17.5 12.9	15.1 11.6	2/27 2/26	2.34	~	13.28 16.25	17.82 13.88	74
Packard Canyon	2/26	40	12.9	11.2	8.6	2/20	2.90	ob to	10,23	13.88	117
Payson Ranger Station Rock Bridge	2/22 2/22	5 1 45	18.3	21.6 16.2	14.6 10.0	2/22	1.90	3.64	17.40	14.63	119
Soapstone Ranger Station	2/26	44	13.1	9.2	11.2	2/26	2.30	3.03	15.53	13.22	117
South Fork Ranger Station Timpanogos Cave Camp	2/ 2 7 2/27	28 12	8.5	11.7	4.9						
Timpanogos Divide	2/27	49	16.8	23.2	20.2	2/27	1.80	4.37	15.15	21.09	72
Trial Lake	2/26	70	22.2	19.6	21.8	2/26	3.05	4.34	21.16	19.26	110
JORDAN RIVER & SALT LAKE				4							
Lamb's Canyon	2/27	55	17.6	13.4	13.0						
Lamb's Canyon #2 Middle Canyon - Tooele	2/27 2/28	54 47	17.3	13.0 19.0	11.3	2/27	2.57		15.32	-01 -	
Mill Creek	3/1	62	21.4	2.7.0							
Mill D South Fork Rocky Basin-Settlement Cyn.	2/28 2/28	62 67	21.8	17.1 37.8	16.8	2/28			18.34		
Silver Lake (Brighton)	2/28	63	22.6	19.8	19.6	2/20			10,54		
Vernon Creek	2/24	34	9.4	15.6	es ea	2/24	1.25	#9 4S	9.44		
UPPER SEVIER RIVER (South of Richfield, Utah)											
	- 1										
Box Creek Bryce Canyon	2/26 2/26	46 1 8	14.2 3.9	12.6 8.6	10.1	2/26		809 110	13.53	11.05	122
Castle Valley	2/28	34	9.4	14.7	11.2	2/28			8.89	11.86	75
Duck Creek Ranger Station Farview	2/27 2/26	31 24	9.3	16.0 11.8	11.3	2/27	. 20	3.18b	8.45	14.23	59
Harris Flat	2/27	20	6.1	12.7	6.9						
Kimberly Mine Midway Valley	2/22 2/27	58 43	16.0 14.6	16.2 24.6	11.5 17.5	2/22 2/27	2.97		15.81		
Panguitch Lake	2/28	13	3.5	6.3	3.6	2/2/	. 50		11.00		
Rainbow Point Squaw Springs	2/26 2/26	21 31	5.1 8.8	8,5	6.1						
Widtsoe Escalante #2	2/26	26	6.1	10.9	7.3						
Widtsoe Escalante #3	2/26	32	7.7	13.5	8.9b	2/26	1.22	2.53	8.59	10.37	83
Widtsoe Escalante Summit Widtsoe Ranger Station	2/26	24	6.3	9.8	5.7	2/26	.40		3.01		
LOWER SEVIER											
(Including San Pitch)											
Beaver Dams	2/26	4.5	14.7	11.6	9.5	2/26			16.10	10.52	153
Farnsworth Lake G.B.R.C. Headquarters	2/25 2/28	68 53	22.0 17.8	19.6 17.3	14.2	2/25 2/28	4.10 2.80	3.93	19.55	14.76	132
G.B.R.C. Majors						2/28	1.40		9.70		ma co
G.B.R.C. Meadows G.B.R.C. Oaks	2/28	72	26.0	22.1	19.5	2/28 2/28	3.60 1.65		21.73		
Gooseberry Ranger Station	2/25	54	17.2	13.4	9.4	2/25	3.10	~ ~	13.60	~ ~	
Mammoth R. SCtnwood Crk	2/27	56	21.1	18.9	16.4b	2/27	2.30	3.76b	16.30	15.358	106

		THIS YEAR			ECORO	CITE	RENT INFORMA	(Inches)	FROM AF	PPROX. OCT	TO DATE
ORAINAGE BASIN and/or SNOW COURSE NAME	Oate of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Conte	Average †	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
LOWER SEVIER (continued) (Including San Pitch)											
Mt. Baldy Ranger Station Pine Creek Ree's Flat	2/26 2/27 2/22	78 58 50	27.4 21.1 14.3	21.2 22.3 13.6	17.8 12.6 9.6	2/ 2 6 2/ 2 7			19.15 25.46	13.86b 17.64	138 144
Shingle Mill	2/27	38	11.6	14.5	7.1b	2/27	2.01	2.59ъ	15.92	10.73ъ	148
BEAVER RIVER											
Beaver Canyon Power House Beaver Race Track	2/25	0	0.0	2.5	de de	2/28	.71	1.92	8.89	7.08	126
Big Flat Merchant Valley Otter Lake	2/25 2/25 2/25 2/25	51 42 47	14.8 11.5 13.4	17.8 10.5 15.5	13.2 6.9 10.9	2/ 2 5 2/ 2 5	1.07 1.18	3.43 2.83a	12.99 11.91	12.90 10.82a	101 110
PAROWAN CREEK											
Birch Crossing Brian Head Ed Ward Flat Tall Poles Yankee Reservoir	2/26 2/26 2/26 2/26 2/26	27 53 34 42 36	7.8 17.6 9.3 13.2 9.9	8.7 19.1 10.1 14.8 11.9	6.0	2/26 2/26	1.50	2.49a	12.00	14.71a 9.13b	82 123
COAL CREEK						-					
SUSC Ranch	2/27	24	7.6	11.3							
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek Long Flat	2/28 2/28	16 27	5.9 8.0	12.7 12.9	3.1b 4.9	2/28 2/28			8.30 11.05	11.25b 8.61b	74 1 2 8
COLORADO RIVER BASIN											
UPPER GREEN RIVER - UTAH											
Black's Fork Junction Black's Frk G. SEast Frk Burnt Creek Grizzly Ridge Hewinta G. S. Hickerson Park Highline Trail* King's Cabin (lower) King's Cabin (upper) Spirit Lake Steel Creek Park	2/21 2/21 2/21 2/22 2/21 2/21 2/22 2/22	42 36 23 27 38 24 19 27 38 59	10.0 8.8 5.1 6.0 9.9 6.8 3.8 5.9 9.6 15.9	7.0 6.7 6.0 10.8 7.3 8.2 9.3 10.7 12.6 11.4	7.6b 7.7b 7.4b 5.1b 7.2 8.4 10.0b	2/21 2/21 2/21 2/22 2/21 2/26 2/22 2/21 3/4	1.40 .80 1.73	 1.06b 1.93b 	12.96 9.25 6.05 10.85	9.25b 9.43b 7.53b 11.24b 9.95b 6.65a 9.10 11.51b	126 123 110 73 130 139
DUCHESNE RIVER	2/21		15.5	11.4	12.7	3/4	Data	oc Avai	labie		
Daniels-Strawberry Summit East Portal Indian Canyon Julius Park Lakefork Mountain Lakefork Mountain	2/27 2/28 2/27 3/4 2/26 2/26	44 39 30 Cours 32 21	13.8 12.2 7.5 e Discon 8.5 4.4	13.8 9.3 11.2 tinued 8.6 6.0	12.2 9.6 10.2 9.4 6.8	2/27 2/28 2/27 2/25 2/26	2.30 2.35 .35 .80 0.00	3.39 3.20b 2.18b 2.12b 2.13	15.90 15.51 7.61 7.30 9.59	14.60 15.68b 11.25b 10.96b 10.22	109 99 68 67 94
Lakefork Mountain #3 Mosby Mountain Paradise Park Strawberry Divide	2/26 2/25 2/25 2/28	20 23 26 54	4.2 4.8 6.6 18.5	5.4 7.7 11.7 17.8	5.6 8.3 10.1 16.2	2/25 2/25	.72 .85	1.98a 2.23b	6.95 7.55	9.16a 12.95b	76 58
PRICE RIVER											
Dry Valley Divide Gooseberry Reservoir Jones Ranch	2/28 2/27 2/28	36 53 30	11.0 20.6 8.3	10.5 19.6 7.4	9.4 15.3 6.0	2/27	2.30	3.94	17.98	15.00	120
Mud Creek #2 White River #1 White River #2 White River #3	2/28 2/27 2/27 2/27	42 45 36 34	11.9 13.4 10.5 10.8	12.4 11.5 7.6 8.6	11.0 11.2 7.9 7.2	2/28 2/27	1.54	2.74b 2.41	11.70 13.46	11.60 14.28	101 94

NOW		THIS YEAR		PAST R		PRECIPI		(Inches)			
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snew Depth (Inches)	Weter Content (Inches)	Weter Conte	Average +	Date of Reading	Month's Precipitation	Average +	FROM A	Average +	Percent of Average
Buck Flat Orange Olson Red Pine Ridge Rush Pond Seeley Creek R. S. Upper Joe's Valley Wrigley Creek	2/27 3/1 3/1 2/27 2/28 3/1 2/27	54 19 52 46 46 39 36	17.0 4.6 17.1 14.1 16.4 11.0 9.9	13.8 13.7 12.7 18.9 8.6 10.2	13.4 14.7 11.6 13.0 8.8 9.5	2/27 3/1 3/1	2.20 .50 2.75	3.97 1.65 4.42	16.60 5.75 18.50	14.29 7.93 16.82	116 72 110
MUDDY RIVER											
Black's Fork Dills Camp	2/26 2/26	49 48	15.8 14.7	12.1 11.2		2/26			14.40		
FREMONT RIVER											
Black's Flat-U.M. Creek Fish Lake Johnson Valley	2/25 2/25 2/25	42 41 36	12.1 12.8 10.3	11.2 10.0 8.5	8.6 5.5 5.2	2/25 2/25			12.35 8.35	9.34 7.54b	132 111
MILL CREEK						į					
LaSal Mountain (lower) LaSal Mountain (upper)	2/26 2/26	39 55	11.1 18.0	16.4 10.7	7.0 11.7ь	2/26			11.65	12.26ь	95
SAN JUAN RIVER											
Buckboard Flat Camp Jackson Monticello City Park	2/25 2/25 2/28	35 37 0	9.9 11.4 0.0	14.8 16.4 5.1	10.0 9.5 	2/25 2/25			10.75 10.55	15.00 13.40b	72 79
VIRGIN RIVER											
Long Valley Junction Webster Flat	2/2 7 2/27	11 40	4.2	10.9 19.1	3.4 12.0b	2/27	G age Mc	lested			
a - Partly Estimated b - Average of all past reco * - USU-SCS Cooperative Radi + - 1958-72 15 year average	o Readin	s than l	5 years							• 13	958–1972 paríod







1974

O 20

SCALE INI,500,000

ALBERS EQUAL AREA PROJECTION

UTAH

BASINS
RIVER
COLORADO RIVER BASI
& UPPER
BEAR
TO UTAH,
0
INDEX

E L E	10,256 10,256 7,300 7,300 10,300 10,300 10,200 10,250 10,150 10,250 10,150 10,250 10,150	8,200 8,7800 7,970 9,800 7,600 9,100 8,550 7,600	8,400 9,800 9,800 10,800 9,800 9,950 9,950	9,250 9,250 9,800 8,700 8,850	9,500 9,500 9,500 9,500 9,500	7,500		
RGE	15E 65E 65E 65E 65E 65E 65E 65E 65E 65E 6	14E 8E 5E 7E 7E 7E 8E 8E	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3E 4E 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	226 226 246 246 236 236 1W	% %	0	
A ₩ F	2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	135 125 135 145 145 105 105	195 195 195 195 195 195 195 195	205 205 305 265 255 255	335 345 275 275 335 348 348	385 375	larker atton Gag	
SEC	21 23 33 33 33 33 28 20 22 23 27 27 27 27 27 27 27 27 27 27 27 27 27	32 25 25 35 35 36 36 36 36 36 36 36 36 36 36 36 36 36	23 25 12 5 24 25 8 & 9 27	33 33 35 24 1 G E S	22 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25	20 20	LEGEND The control of the control o	
				27 27 33 35 24 DRAINA G ES			example) on Gage ine Station Station an	
	v	-ro.		I			LEGEND CARENTER (SAME)	
	IVER	oir c-Left F shoe	hoe	Creek N U T	Pper) IVER Summit #2	, vi	Numbering Course Only Course and Course and Course and Course and Insurance and Course and Insurance and Experimental Insurance Status	
	isink k Lake k Lake Whiteroceek Cidge Gidge Wyon rik contain Abuntain Abuntain Abuntain Abuntain Abuntain Abuntain Abuntain Abuntain Abuntain	IVER Divide V Reserv II Creek II Creek II Creek II II Creek	Reserving Page 1	P 1T RIV It-U.M. servoir altey ASTER	Flat son ntain (un ntain (RIVEI	Snow Cop Snow Cop Sno	
E	DUCHESNE RIVER Alwood Basin Brown Duck Lake Burn Creek Chepera-Whiteracks Lakes Curnal Creek Five Print Lake Five Print Lake Five Print Lake Five Brint Lake Indian Canyan Julius Park Lulius Park Lul	Corrol Dry Valley Divide Dry Valley Divide Coasebern Yeservoir Grassy Trail Creek-Left Fork Hurhington-Horseshoe Mud Creek Timberline Timberlin	Buck Flot Goodsberry Reservoir Huntington-Horsethoe Red Prie Ridge Rush Pond Seeley Creek Stront R. S. Upper Loe's Volley Wrigley Greek MUDDY RIVER	pilotek stroke Dill's Camp FREMONT RIVER Black's Flai-U. M. Greek Fish Lake Johnson Valley SOUTHERSTERN UTA	Buckboard Flat Comp Jackson LoSal Mountain LoSal Mountain Manticello Park ES CA LA NTE RIVER Widtsoe-Ecolonte Symmit Widtsoe-Ecolonte #2 Widtsoe-Ecolonte #3 Widtsoe-Ecolonte #3	VIRGIN RIVER Long Valley Junction Webster Flat	00177 00177 001774 001774 001774 00176	
ž								
A L S		22222222			2222 222	20		
0	10.2% P. 10.1% P. 10.	10K5M 11K4 11K4 10K3M 11K5 11K7 11K33MP 10K6 10K2M 10K2M	11K31P 11K4P 11K28P 10K2MP 11K27P 11K27P 11K32	11K15P 11L4P 11L5 11L6	9M1P 9M2P 9L1 9L2P 9M3 9M3 11M1 11M2PT	12M3MPT 12M3MPT		
z	55. 0.75. 55. 55.55.55.00	2222		=======================================	\$\$55\$\$ ===	222		
E L E V	6,450 8,050 1,400 7,400 7,400 7,400 7,400 7,500 8,725 7,500 8,725 7,500 8,720 8,720 8,720 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700 8,700	7, 300 7, 300 7, 300 7, 500 7, 500 7, 700 8, 700 8, 800 8, 800 9,	9,500 7,760 9,600 8,700 6,200 8,500 6,020 10,290 8,200	9,300 10,000 8,300 8,300 8,700	8,200 8,450 6,100 8,000		(1) 500 10, 500 8, 930 8, 930 10, 9, 500 10, 400 10, 4	
7 2 1	%% 88% %% 88% 68% 68% 68% 68% 68% 68% 68		34.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8					
ì. ≩	4 4 5 2 5 2 5 2 5 2 5 5 5 5 5 5 5 5 5 5		195 175 215 225 225 225 185 185 295 295 295		375 5 375 10 375 10 385 17 385 17		\$ 2ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	
-	LT LAKE 24 15 15 15 15 15 15 15 15 15 15 15 15 15	4 & 5 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		35	118 3 111 3 11 3 12 3		26 Dove D	
n n	S A	4 & 5 365 29 385 3 273 3 273 (Including San Pitch River) 27 195 27 195 28 33 235 28 27 175 26 & 27 175 26 & 27 175 18 185 16 185	2 2 2 3 1	26 8 22	Z 0 ×		UТАН (%)	
	£	3 (Inclu			18 375 9W 11 375 19W NEW HARMONY DRAINAGES 2 388 17W 2 385 14W		7	
	(lower) (upper) (upper	RIVER rters		¥ ₩	N K		ast Fork	
4	in in Canyon Canyon Canyon on 12 con	int int int int int int int int	prings IVER Track alley	O CRE	SE TO Greek	NAGE	EEEN TEEN TEEN TEEN TEEN TEEN TEEN TEEN	
•1	JORDAN RIVER & GREAT Bevan's Cabin Deserter Peak Formington Canyon (lower) Middle Canyon Silver Lake (Brighton) Silver Lake (Brighton) Silver Lake (Brighton) Silver Lake (Brighton) Formon Creek Box Cereek Box Ce	Vonguitch Lak, Rainbow Point Rainbow Point Staguew Springs Widtsse R. S. LOW ER SEVIER RIV LOW ER SEVIER RIV Generate Dam Generate Lose G. B. R. C. Meadquaters G. B. R. C. Meadquaters G. B. R. C. Meadwa Momenth R. SCortonwo Middle Fark	Mr. Boldy, R. S. Ook, Creek Flick Keeg Springs Plic Creek Rees's Flot Thistle Flot BEAVER RIVER Beaver Roce Track Beaver Roce Track Merchant's Valley Merchant's Valley	Otter Lake PAROWAN CREE Birch Grossing Birch Head Brind Head Tall Poles Yonkee Reservoir	CSU Ranch Urie Flat ENTERPRISE TO Little Grassy Greek Long Flat	DRAII	Adhley Twin Lakes 11 Adhley Twin Lakes 11 Adhley Twin Lakes 18 Black's Fork G. S. – East Fork Black's Fork G. S. – East Fork Black's Fork Black's Fork Black's Fork Black's Fork Black Park Heavinto G. S. Hickerson Park Highlia Tail Hole -in-the-Rock G. S. King's Cabin (lower) Kring's Cabin (lower) McCoy Park Maridle Beaver Creek Reynolds Park Reynolds Park Sheel Cacke Park Black Bla	
N AND	Bevore Be	Raing Raing Squar Width LOW Farns G.8.8 Goos Mamm	Mt. I Ook Pickl Pickl Rees' Shing Thistl BEA Beave	PAR Birch Brian Ed W Tall I	CSU Urie Little Long	RIVER DRAINAGE	Ashle Black Hicker Highl Hicker Highl King ' King' Kin	
<u> </u>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	2222 22222)))))	י ככככב	22 22		222222222222222	
	12.2.2 12.2.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	12M7P 12L5 11M4P 11K13P 11K11P 11K11P 11K2P 11K3MP 11K3MP 11K3MP	11K 12P 11K 2P 12L 1P 12L 1P 11K 36 12L 11P 11K 35 12L 13	12M16 12M16 12M12 12M19 12M11P	12M17 12M10 13M4MP 13M2MP	COLORADO	9110,P 100,21P 100,22P 100,23c 100,34c 91,5p 91,5p 91,5p 91,7p 91,7p 91,00,20c 91,00c 91,7p 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 91,10c 9	
	2222222222		**************************************	12 12 12 12 12 12 12 12 12 12 12 12 12 1	13, 13, 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	8 8	20000022200222002	
	8 7 7 9 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	880 650 700 700 880 880 100	7,150 8,000 6,000 6,000 6,780 8,230 8,230 7,700 6,300	2500 2500 2500 2500 2500 2500 2500	6,750 6,125 7,500 8,500 7,600	86000000000000000000000000000000000000	
u u							V	
		33 42E 105 37E 105 37E 105 37E 107 37E		8		25 25 25 25 25 25 25 25 25 25 25 25 25 2	25	
	- 6	35			02		35	
5	(above Harer, Idaho) 19 19 13 13 14 14 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	30 31 31 34 34 4 4 4 7 7 7 7 7 7 7 25 26 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27	28 38 38 38 38 38 38 38 38 38 38 38 38 38	23 34 2 1 3 3 4 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	28 4 4 7 7 7 7 8 4 4 5 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	27 20 20 22 22 1 17 17 15 25 25	29 27 27 27 27 27 34 34 34 34 35 35 36 37 37 37 37 37 37 37 37 37 37 37 37 37	L.
	ove Har						LAKE	
	ER (abs	outh)	de	Creek		ŧ	UTAH mmmit PP	
	UPPER BEAR RIVER Big Park Burt-Auffler Ranch CCC Camp Gold Hill Burt-Auffler Ranch Gold Hill Lily Labrager Station Lily Labrager Kelly Ronger Station Lily Labrage x Finey Labrage x Stati River Summit x Still Water Camp LOW ER BEAR RIVER Bug Lake Burthapers Gold River Summit Cinemon Creek Gold River Manger Station Curis Creek Gold River Ranger Station Curis Creek	iit nyon (m. ummit n n ows wer)	ain on vide #1 #2 sek ok Divic inger Sh	Skunk C oak ower) ail ail	E R 7. 5.	Lat Greek Park City Smt. Parley's Canyon Summ Parcupine Redden Mine (lower) Redden Mine (upper) Sergeant Lakes Shingle Mill Flat Smith & Morehouse	VER & Aldge #1 dage #2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4
IAGE	R 8EA k k Miller R Miller R Miller R Meanger Meadon	sin ant Sumu tion Ca in Basin in Basin on City S anyon ollow noe Basin of Spring Bear (lop	Oxford Mountain Marchaele Conyon Sing Creek Divide Steep Hollow #1 Steep Hollow #2 Strowberry Creek Strowberry Mink Di Strowberry Mink Di Willow Flat	Beover Greek-Skunk Ben Lomond Freek Ben Lomond (lower) Ben Lomond Trail Gusey Dom Cutler Greek Dry Beard Pond Guilder's Peak Magpie Middle Fark Ogden Sagebush Flat	WEBERRIVER WEBERRIVER Chalk Greek #1 Chalk Greek #3 Chank Greek #3 Chank Greek #3 Handis Gnyon Hondoo Kholl Hoodoo Kholl Hoodoo Kholl	ity Smt in Smorel	PROVORIVER & Comp Altomont Concerded Ridge #10 Clear Creek Ridge #20 Clear Creek Ridge #30 Clear Creek Ridge #30 Clear Creek Parthman R.S. East Partle Habble Creek Summit Loke Creek Reduct Company R.S. South Fork R.S. Sout	
ORAIN	Big Park Big Park Buth-Willer Ranch CCC Camp CCC Camp Cold Hill Hoyden Fork Kelly Ronger Station High Ronger Station Monte Criste R.S. Pincy Lobarge x Poison Meaddows x Sall River Summit x Still Mare Camp LO WER BEAR R IV	Dry Bazin Dry Creek Flot Emigrant Summit Emigrant Summit Emigrant Summit Emigration Conyon (mouth) Fronklin Basin Corden City Summit Heal Conyon Herd Hollow Horsethoe Basin Klondike Narrows Lither Paprings Little Bear (lower) Little Bear (lower) Little Bear (lower) Author State County	Oxford Slug O Steep Steep Strawb Strawb Strawb Willow OGD	Beover Creek-Skunk C Ben Lomond Poek Ben Lomond (lower) Ben Lomond Trail Causey Dam Cutler Creek Poerd Beard Pond Cullder's Peak Magpie Fork Magpie	VERENCE RELATION OF THE RELATI	Lost C Park C Parley Porcup Redder Redder Sergeo Shingl	PROVORIVER & UI Camp Altamont Clear Creek Ridge #2 Clear Creek Ridge #2 Clear Creek #3 Daniels-Strawberry Summi Dutchmon R.S. East Portal Lake Creek Summit Lake Creek Summit Lake Creek Summit Sakord Canyon R.S. Rock Bridge R.S. Soapstone R.S. Soapstoner R.S. Soapstoner R.S. Soapstoner R.S. Soapstoner P.S. Strawberry Divide Timponagos Cave Camp Timpanagos Cave Camp Timple Res. Timpanagos Divide Timpanagos Divide Timpanagos Divide Timpanagos Divide Timpanagos Divide Timpanagos Divide	
GREAT BASIN DRAINAGE	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>					,,,,,,,,,,,,	22222222222222	
AT BA	7	116 146 126 4 116 6 116 7 116 8 MP 111 11 MP 116 156 116 156 116 156 11 11 12 8 11 11 12 8	8 7 2 6 pg 4 pg	11114M 1118P* 1118P* 11130P 11135P 11134P 11134P 11134P 11135P 11135P	27-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	1H32P 1J43 1J15PTS* 1J5P 1J5P 1J4P 1J4P	1120 1120 11234 11234 11234 11236 1125 1131 1131 1131 1131 1131 1131 1131	
GRE	10G11 10G7 10G7 10J7 10J7 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G10 10G1	2000 2000 2000 2000 2000 2000 2000 200	1164 1164 1165 1167 1167 1167 1167	HI H	11)24 11)18 11)28 11)38 11)34 11)37 11)43	1114 11176 11176 11176 11176	4222 4222 4222 4222 4222 4222 4222 422	

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

- U.S. Department of Agriculture Soil Conservation Service Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FEDERAL BLDG., - ROOM 4012

SALT LAKE CITY, UTAH 84138 125 SOUTH STATE ST.

OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U: S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAII

THE PROPERTY OF THE PROPERTY O White Carlot States of the State of the stat TENERS SEE STEELS

FEDERAL - STATE - PRIVATE

COOPERATIVE SNOW SURVEYS domestic and municipal water supply, hydro-electric power water supply for irrigation, necessary for forecasting generation, navigation, Furnishes the basic data mining and industry

"The Conservation of Water begins with the Snow Survey"